



SIDE VIEW OF WIDE SHOE PRESS

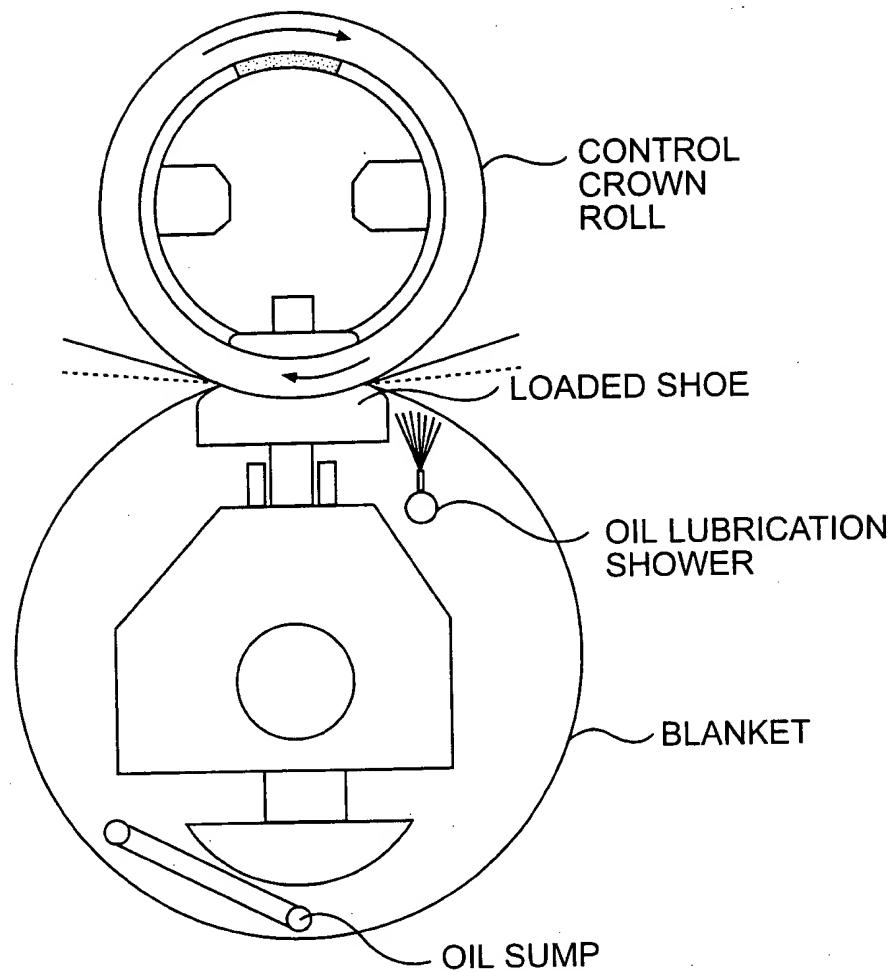


FIG. 1
PRIOR ART

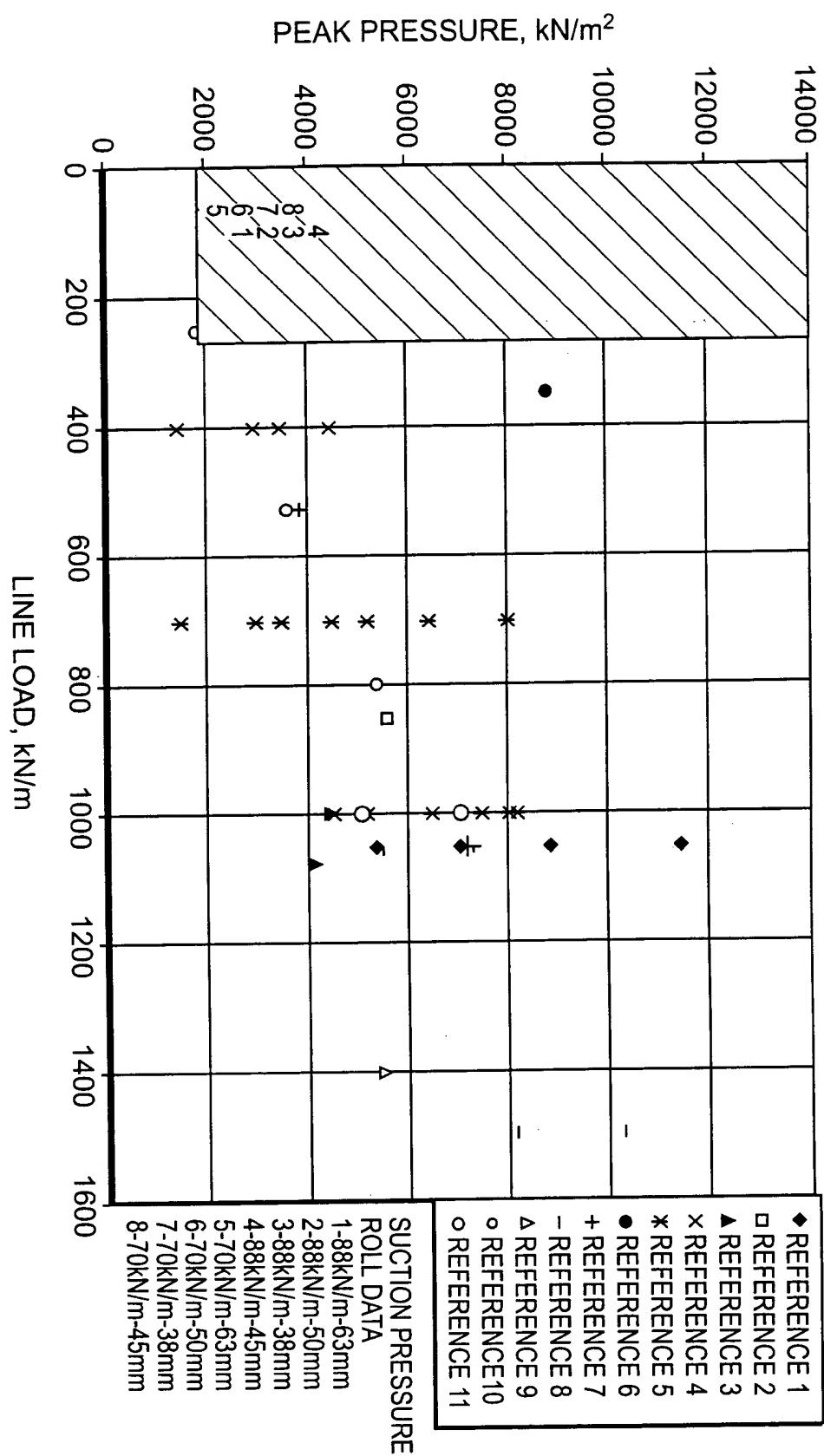
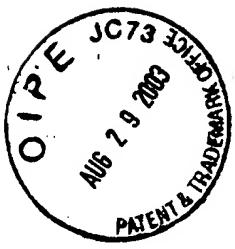
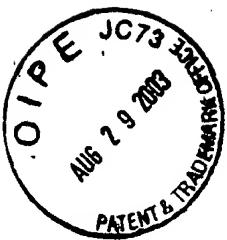


FIG. 2



NIP LOAD, KN/SQUARE METER

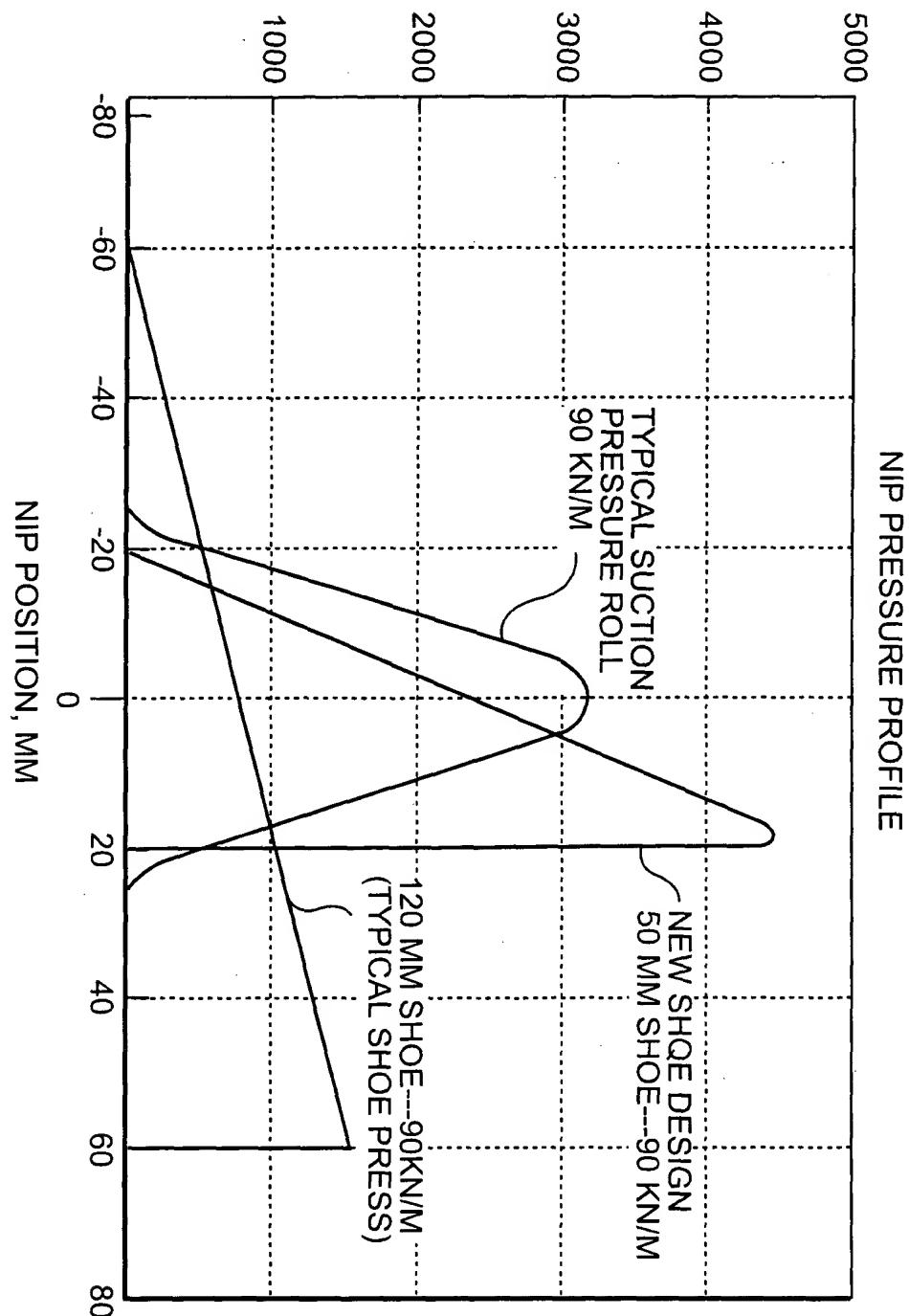
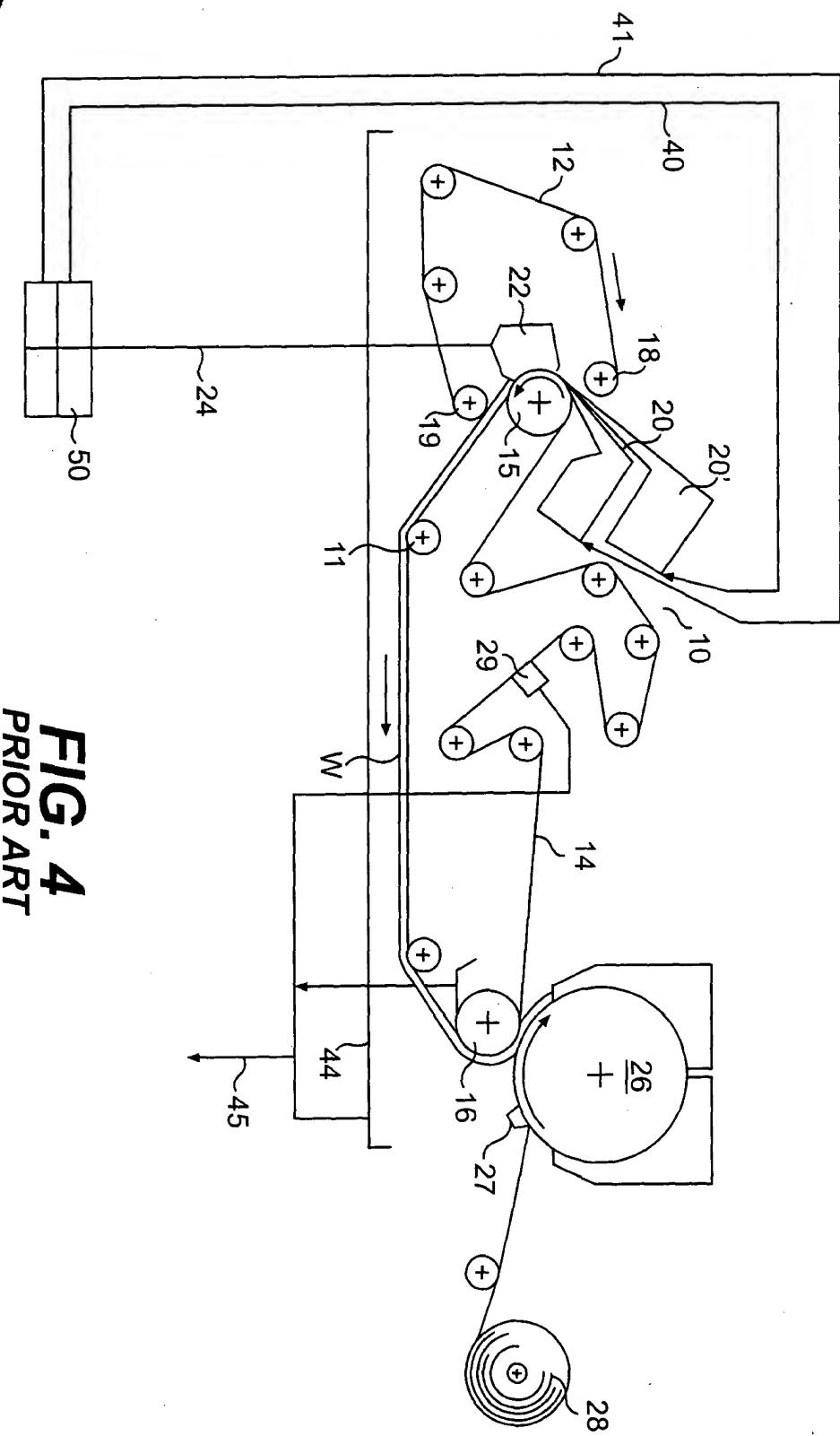


FIG. 3

CONVENTIONAL WET PRESS PROCESS LAYOUT

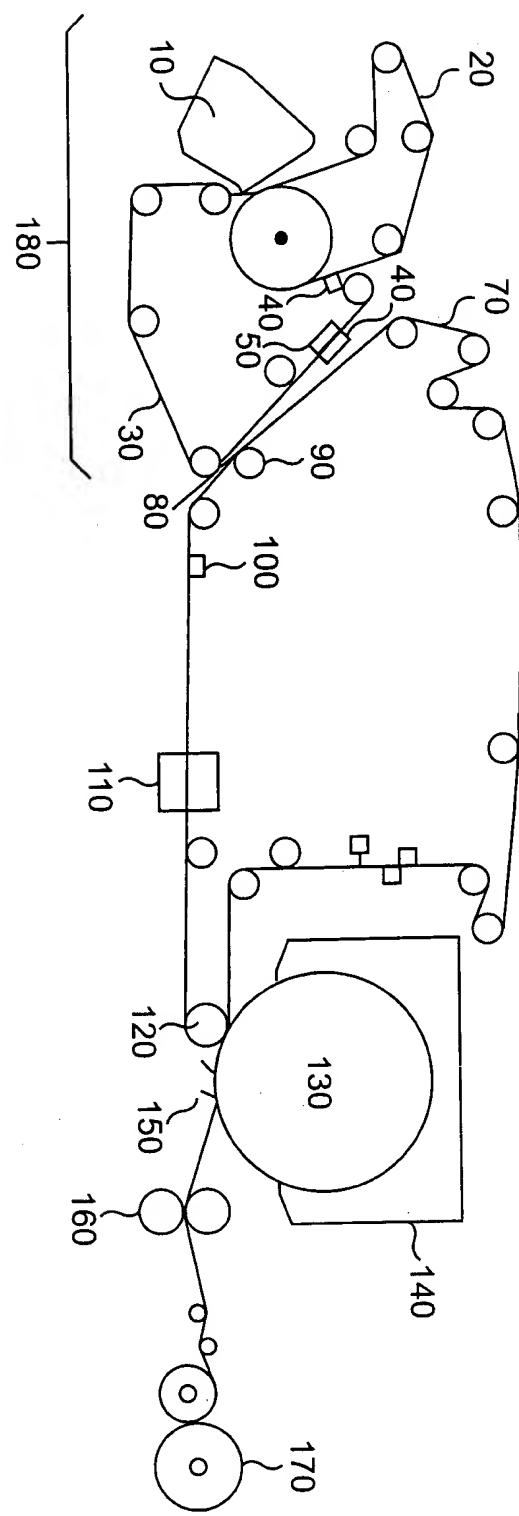


**FIG. 4
PRIOR ART**





FIG. 5
PRIOR ART





PRESSURE

TYPICAL PRESSURE ROLL CURVE

SYMMETRICAL CURVE

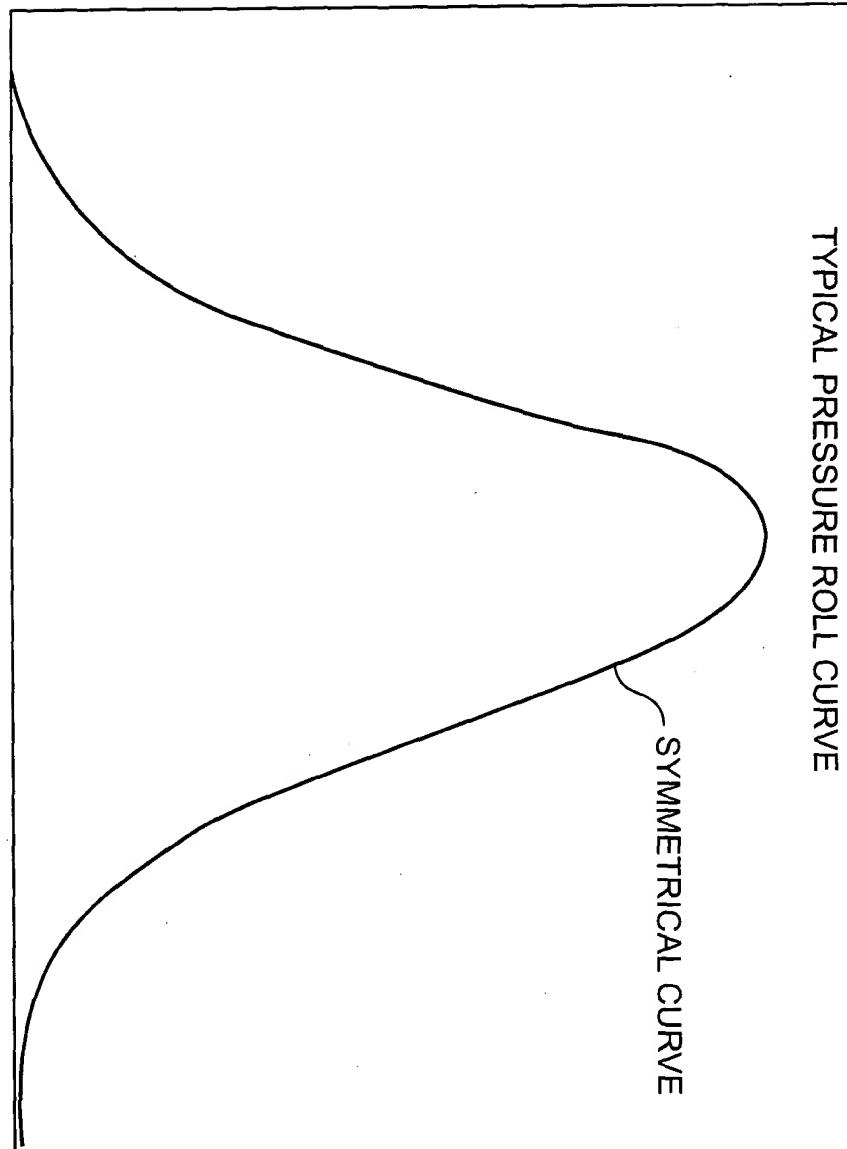


FIG. 6

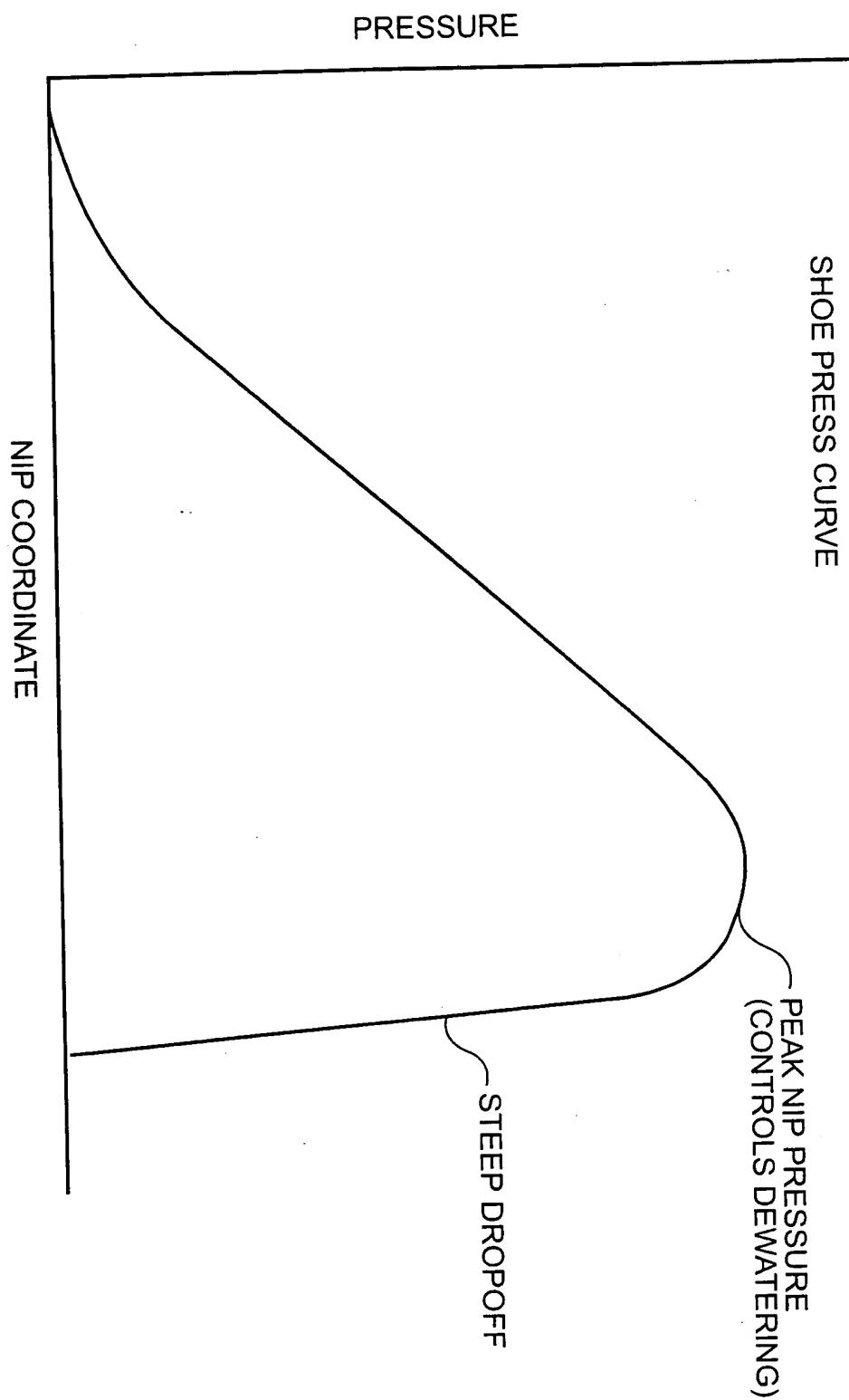
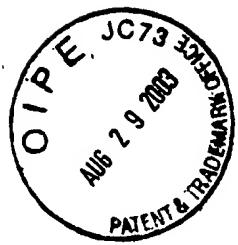


FIG. 7

AN OPTIMIZED SHOE PRESS CURVE

PEAK NIP PRESSURE
(CONTROLS DEWATERING)

PRESSURE

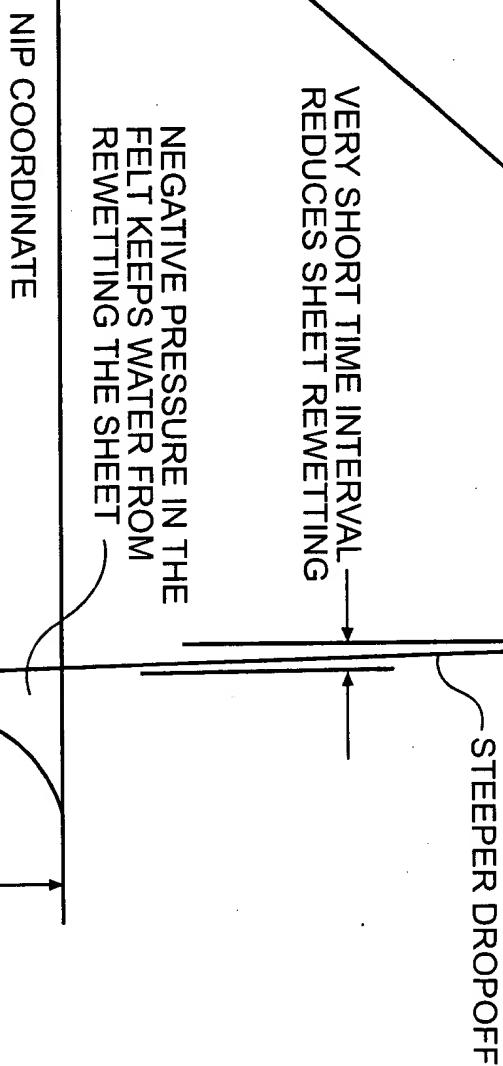


FIG. 8



SHOE PRESS WITH LARGE DIAMETER TRANSFER CYLINDER AND
WITH FELT PARTIALLY WRAPPING CYLINDER

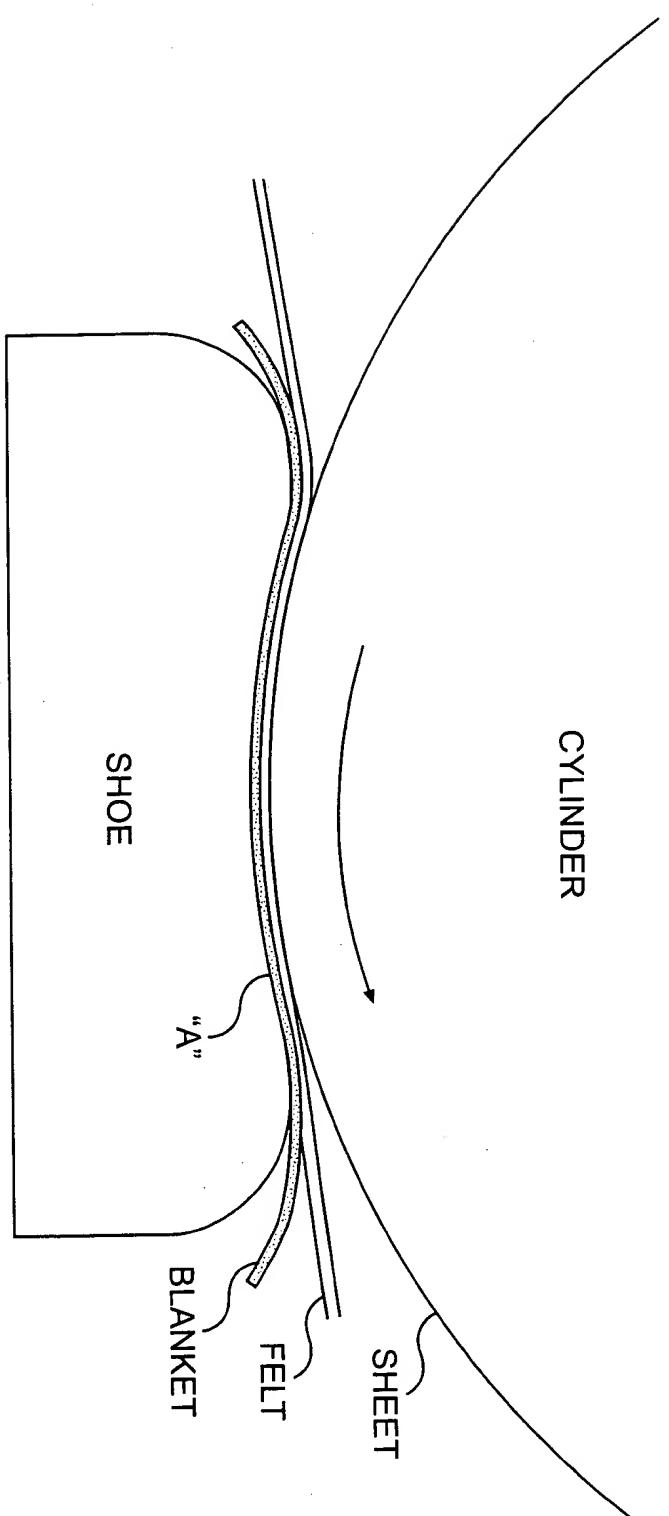
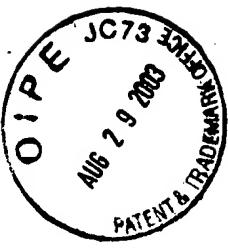


FIG. 9



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SHOE PRESS WITH TAPERED ON THE EXIT SIDE SO THAT
BLANKET/FELT CAN BE RAPIDLY REMOVED FROM THE SHEET

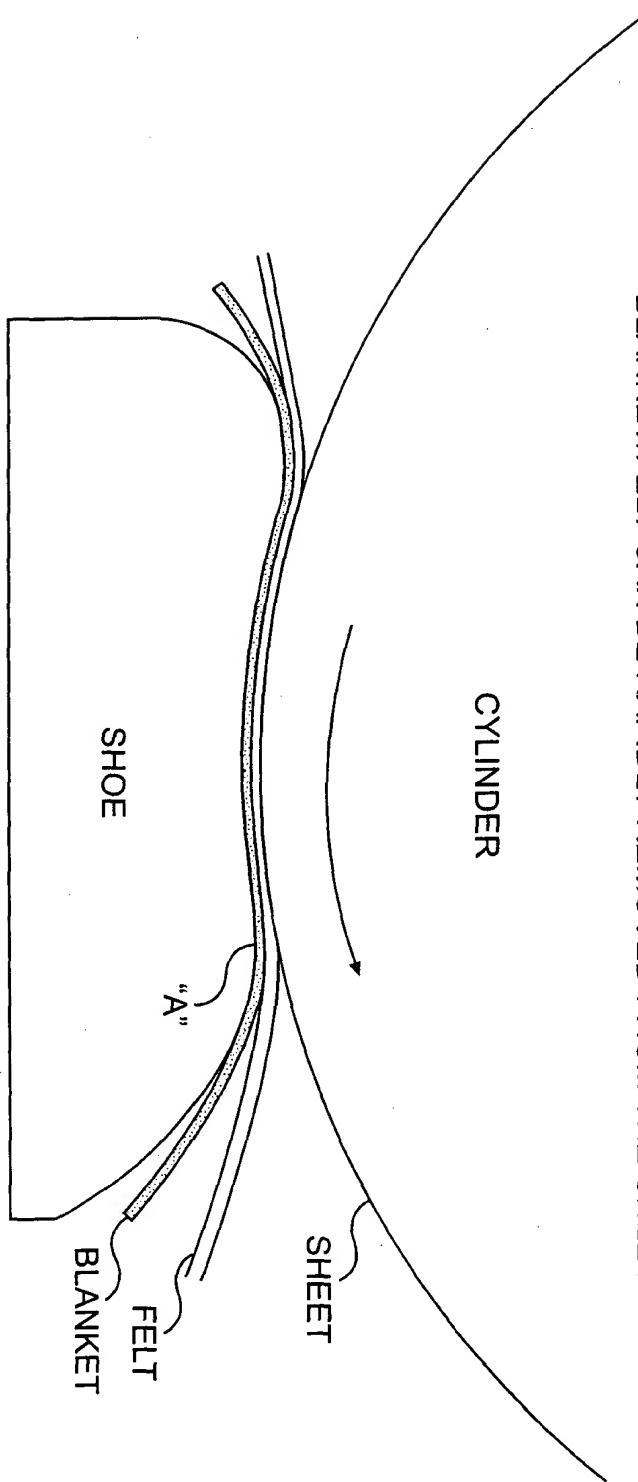


FIG. 10

SHOE PRESS TAPERED ON THE EXIT SIDE SO THAT FELT CAN BE
RAPIDLY REMOVED FROM THE SHEET WHILE THE BLANKET IS
SIMULTANEOUSLY RAPIDLY REMOVED FROM THE FELT

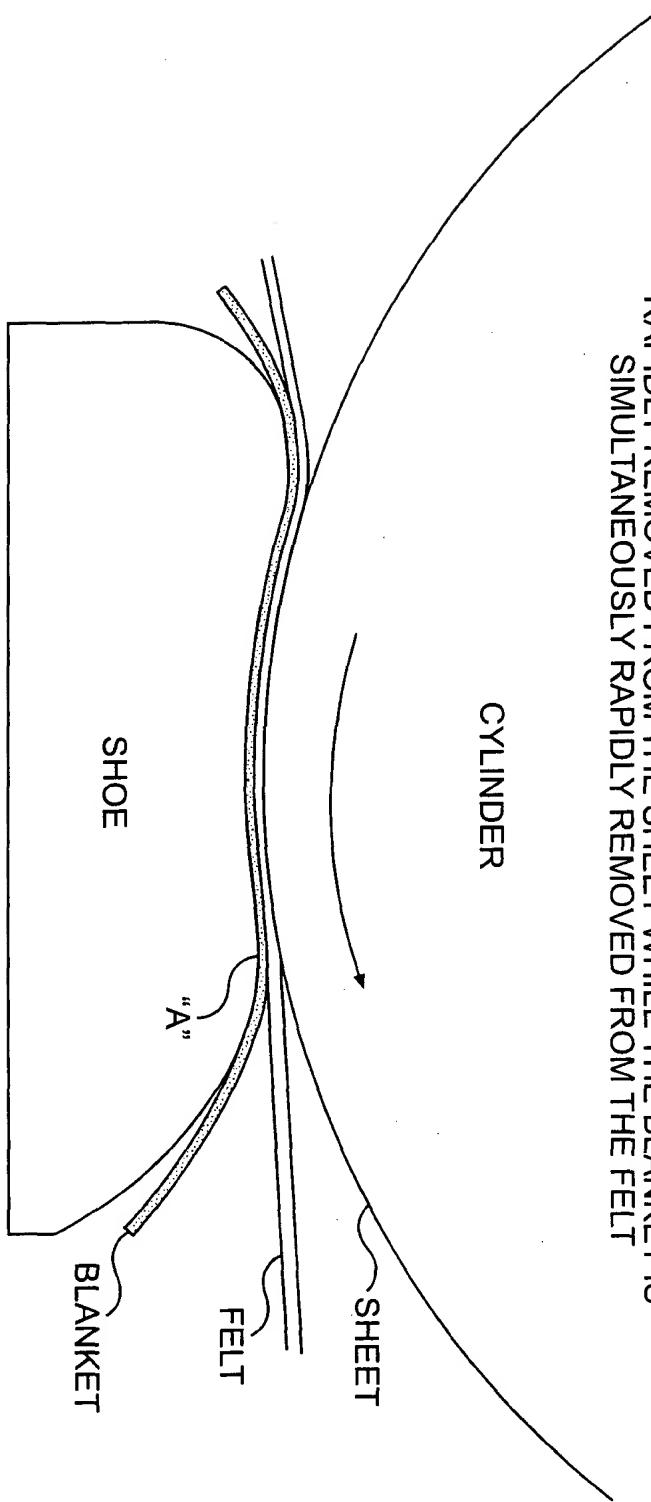
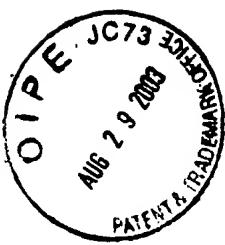


FIG. 11



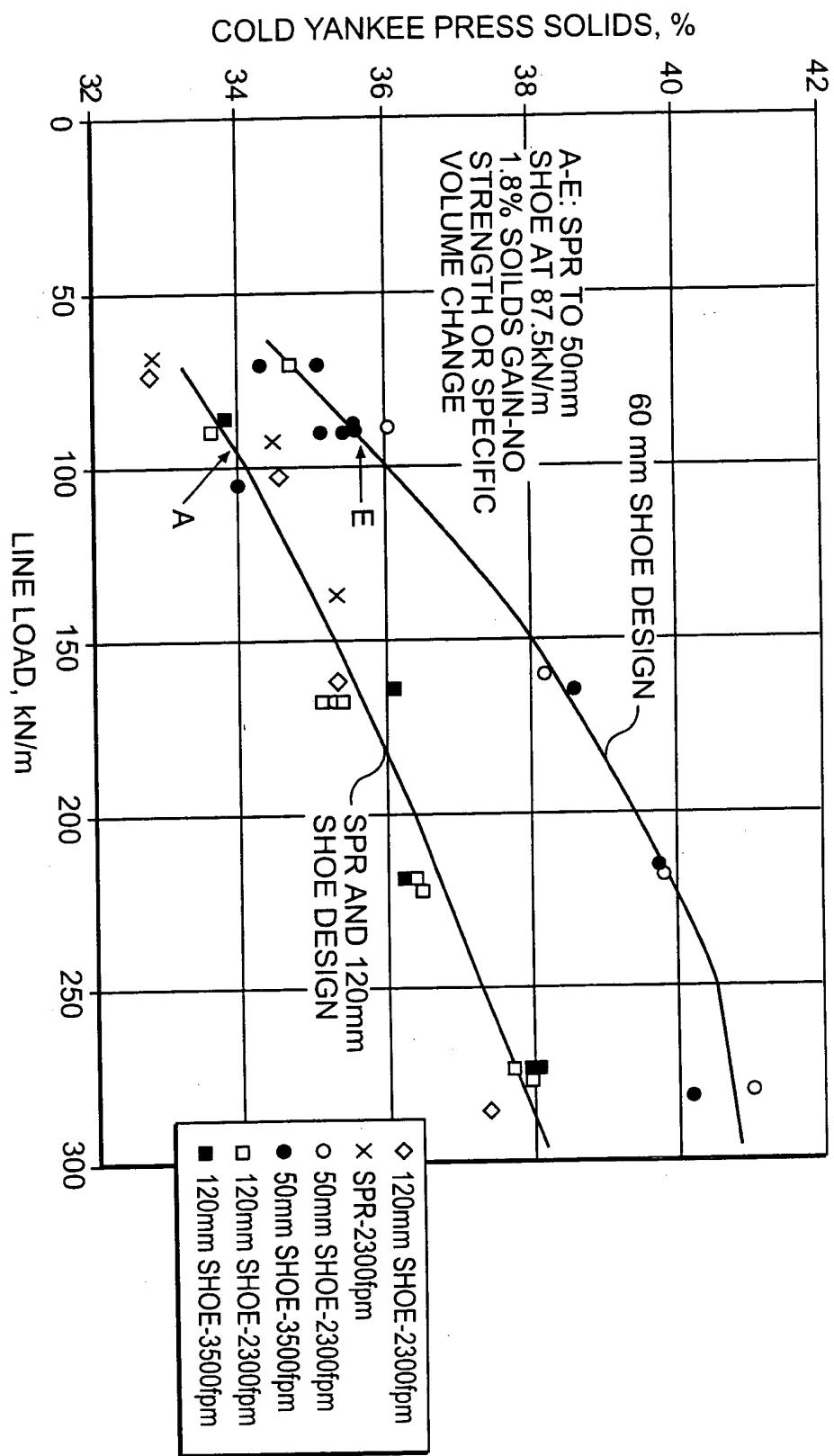


FIG. 12

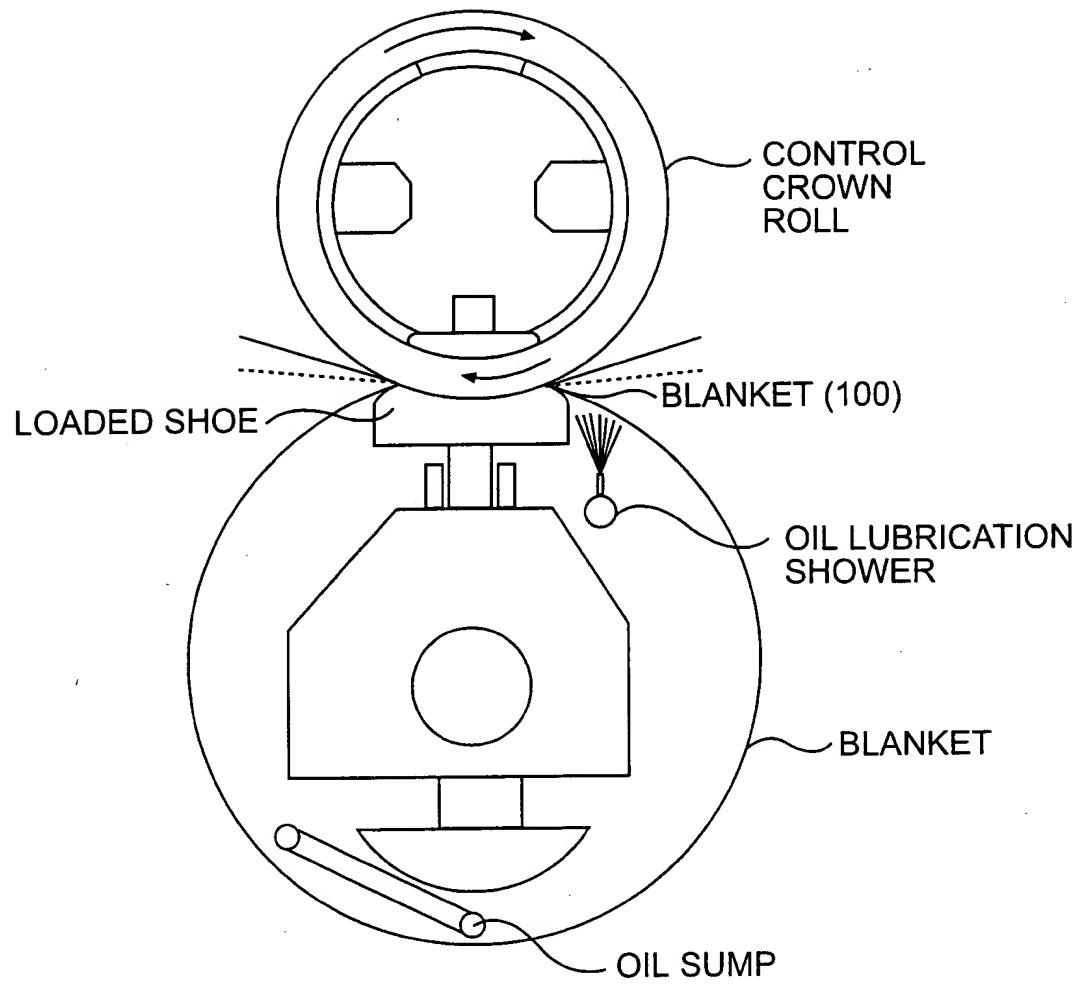


FIG. 13

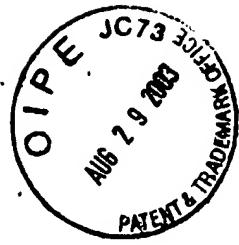
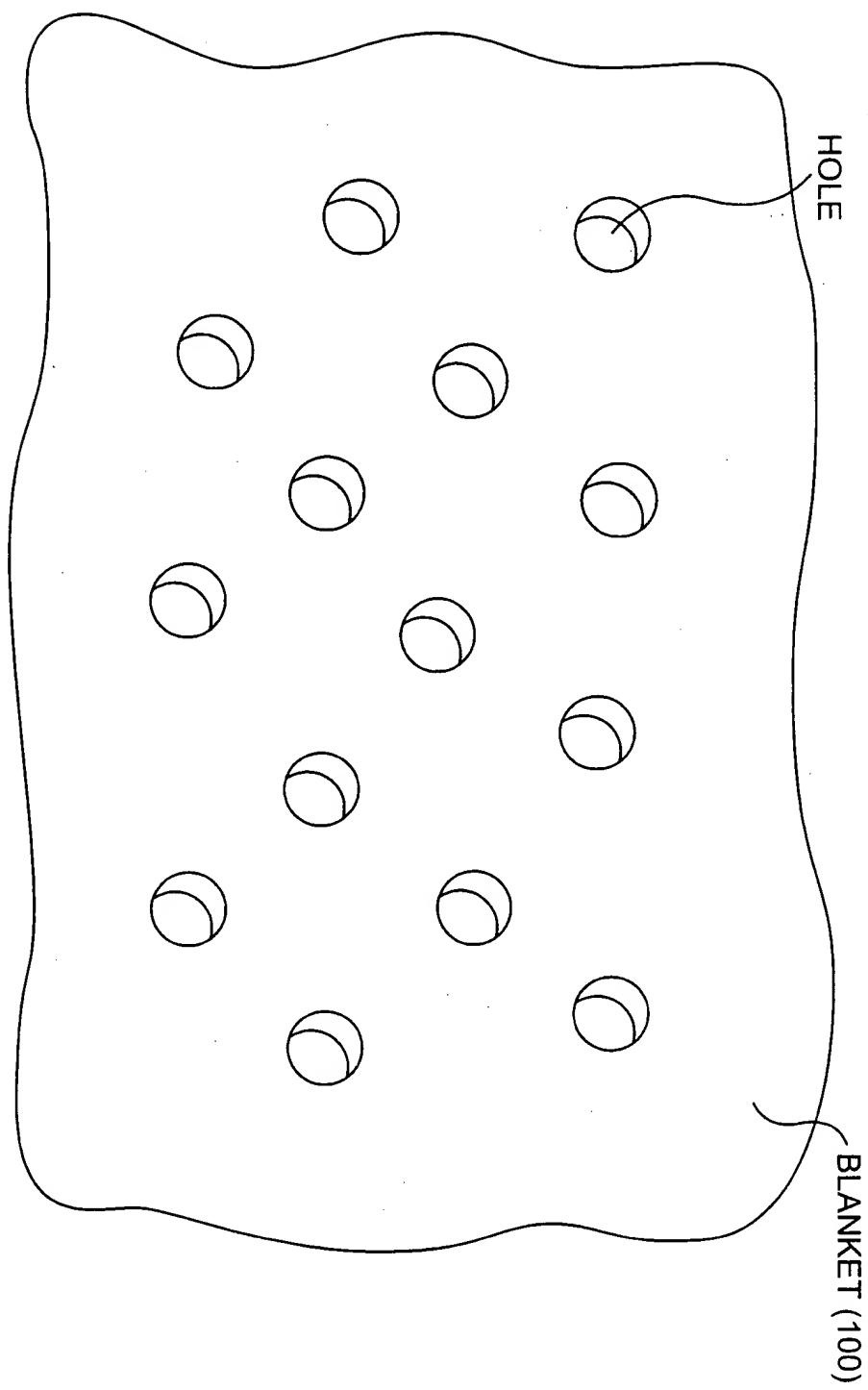
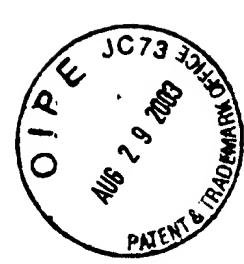


FIG. 14





MACHINE DIRECTION
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FIG. 15

